



Approach to IOC

Capabilities Required for Depot UID Initial Operating Capability

EID (12V)194532636

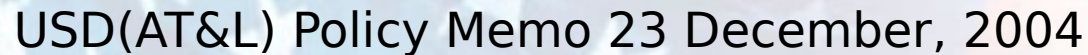
Orig. Part No. (1P)1234

Serial No. (S)786950



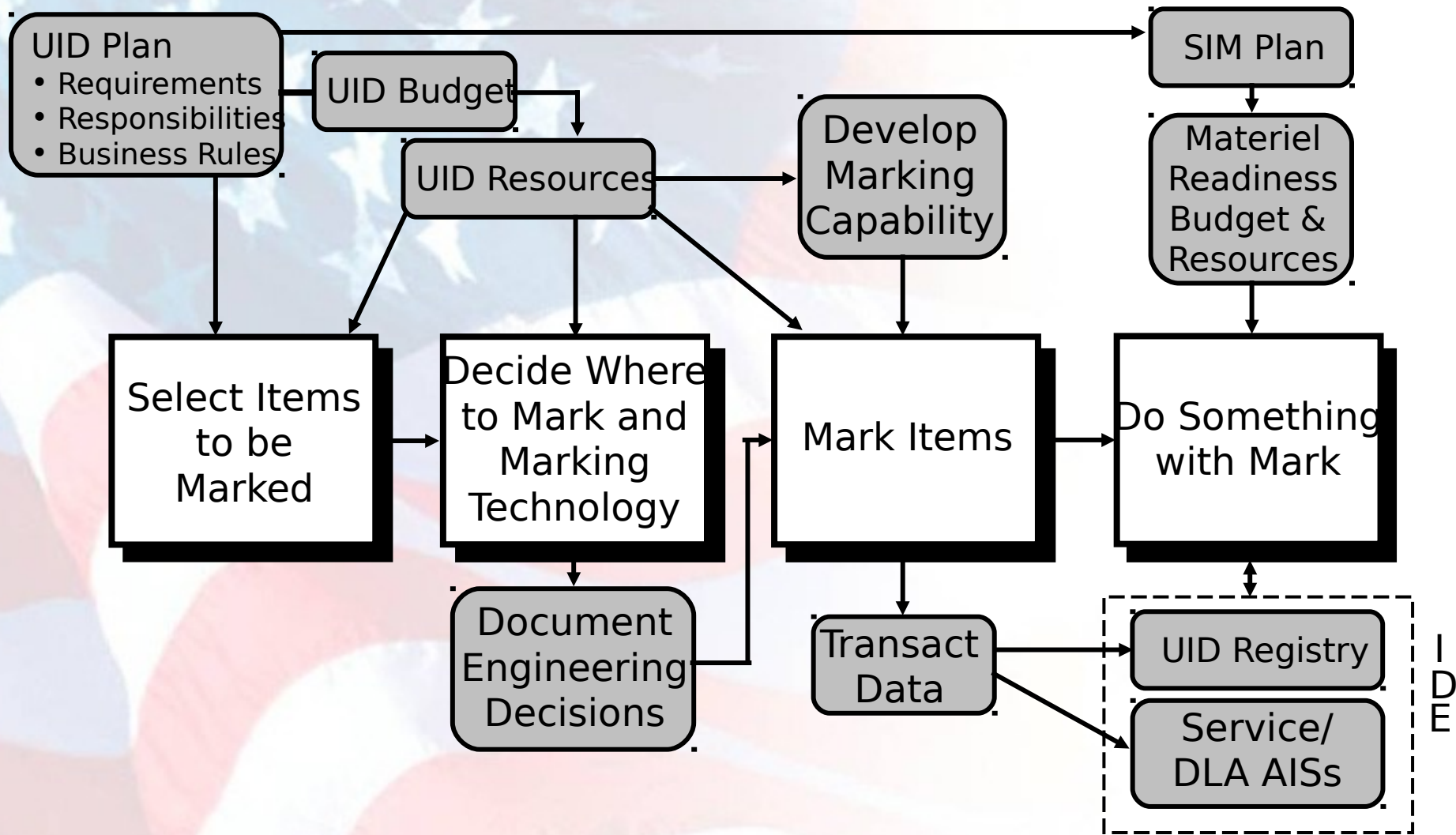
Greg Kilchenstein, OADUSD (MR&MP)

**ADUSD(MR&MP) UID IPT Meeting
2-3 June, 2005**

[illegible]

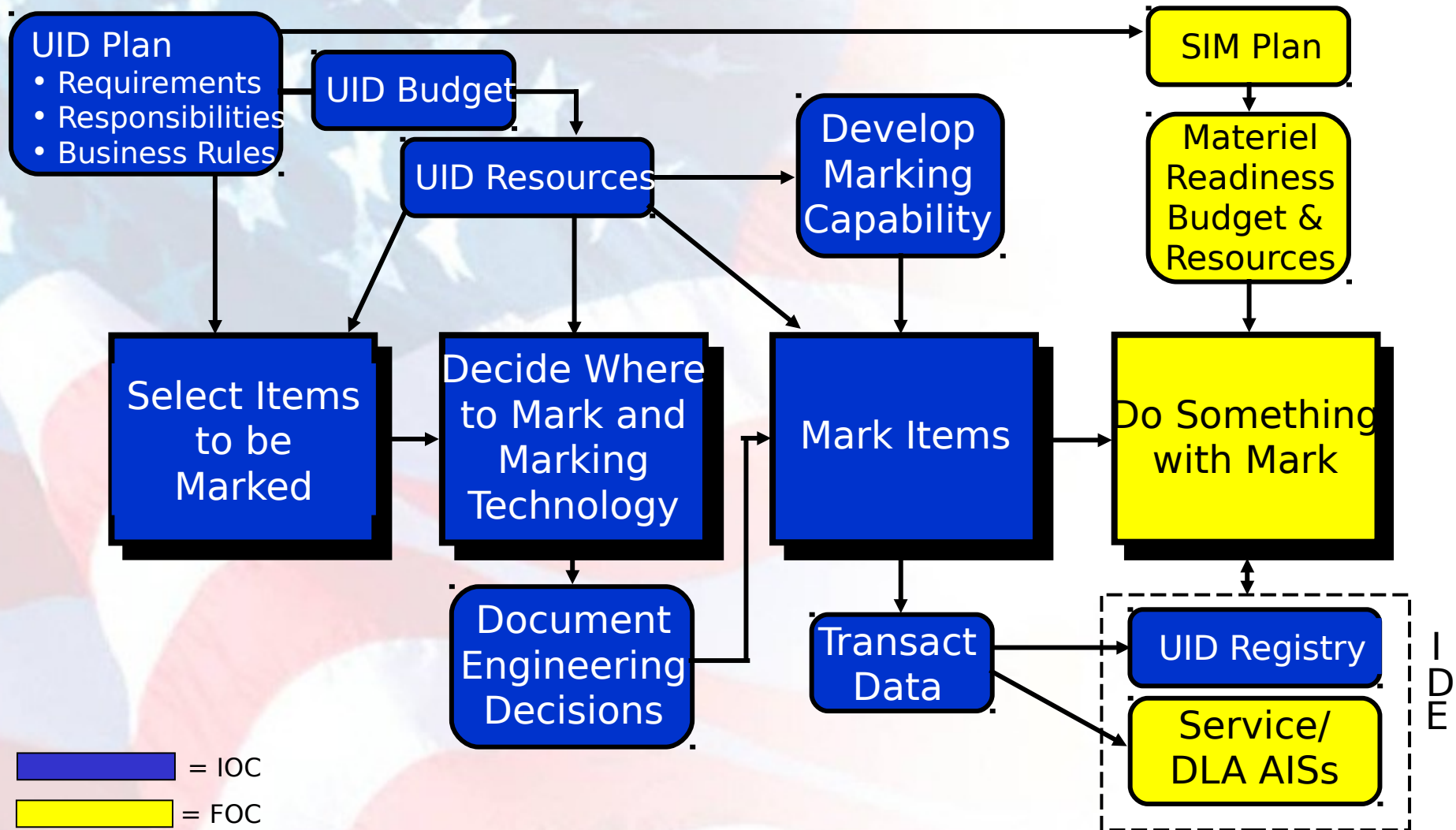


Vision End State for UID Full Operating Capability





UID Initial Operating Capability and Full Operating Capability





IOC Checklist

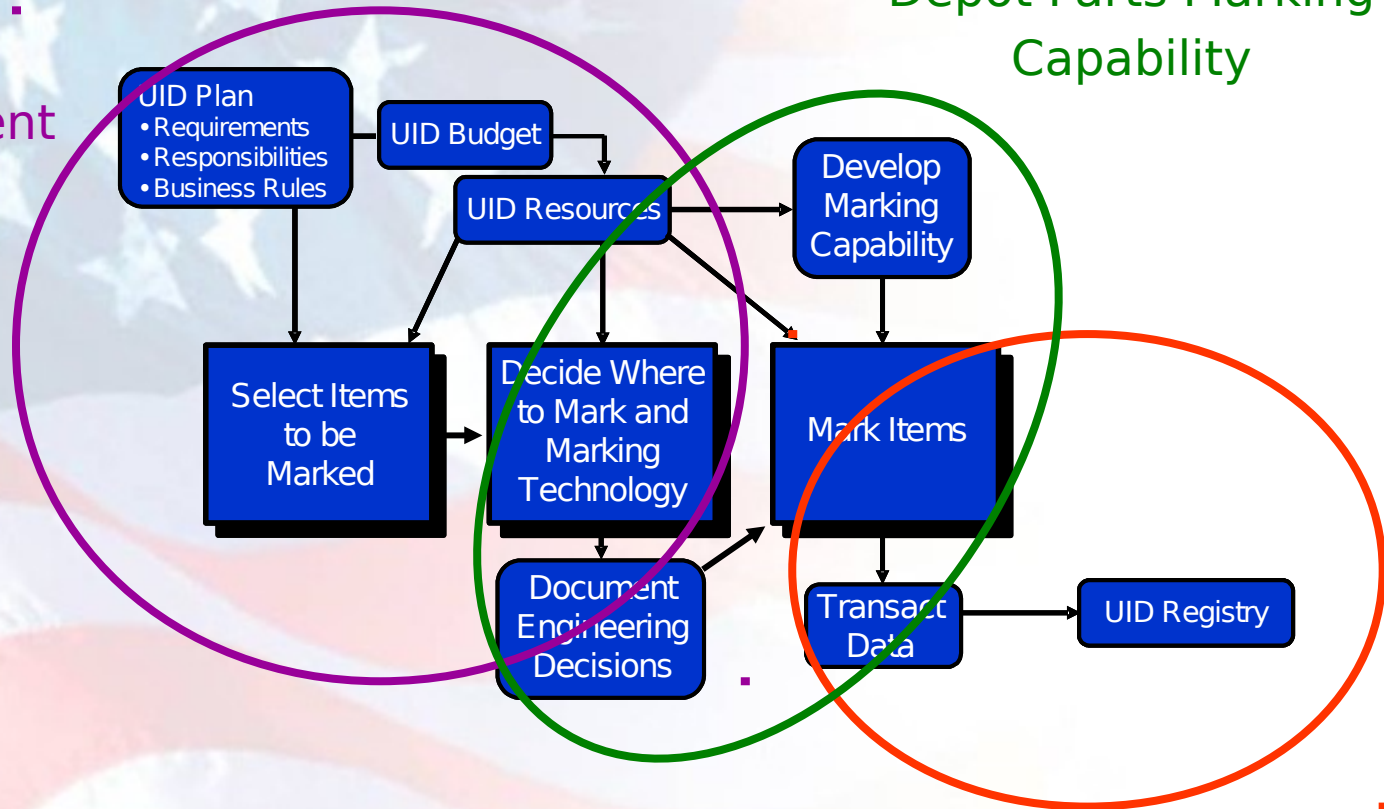


- **Depot UID Planning & Management**
- **Depot UID AIS Capability Establishment**
- **Depot Parts Marking Capability Establishment**



Depot UID Initial Operating Capabilities

Depot UID -
Planning &
Management
Capability



Depot UID AIS
Capability



IOC Checklist



- **Depot UID Planning & Management**
- Depot UID AIS Capability Establishment
- Depot Parts Marking Capability Establishment



Depot UID Planning & Management Capability



- **Neither PMO nor Depot can plan for successful UID implementation alone**
- **Every depot will be marking parts “belonging” to multiple Program Managers/Item Managers**
- **Every Program Manager/Item Manager has parts being repaired/reworked (and marked) in multiple depots**



Depot UID Planning & Management Capability

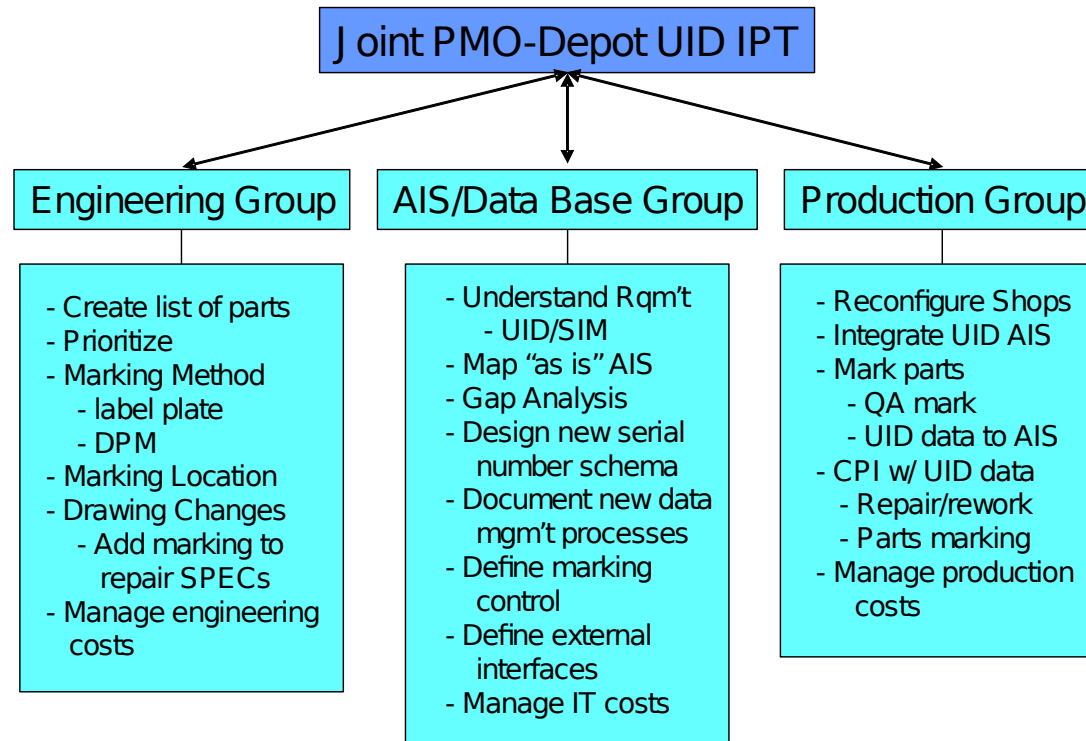


- **Joint PMO/Depot UID IPT required at each maintenance depot...for each weapon system.**
 - **Matrixed support from depot employees and Program Office employees.**

	PMO 1	PMO 2	PMO 3	PMO 4	PMO 5	PMO 6	PMO 7	...	PMO 67	PMO 68	PMO 69	PMO 70
Depot A		X		X	X					X		
Depot B	X				X							X
Depot C		X			X						X	
Depot D	X											
Depot E						X			X	X	X	
Depot F			X	X					X			
Depot G			X									
Depot H							X				X	
Depot I						X	X					X
Depot J						X						
Depot K				X								X
Depot L	X								X			



Depot UID Planning & Management Capability



These three processes need to take place collaboratively and in parallel



Planning & Management UID IOC Checklist



- **PMO/Depot UID IPT to define roles and responsibilities and to plan and execute capability establishment: CHARTERED AND FUNCTIONING**
- **Depot MRO and manufacturing processes: MAPPED**



IOC Checklist



- Depot UID Planning & Management
- **Depot UID AIS Capability Establishment**
- Depot Parts Marking Capability Establishment

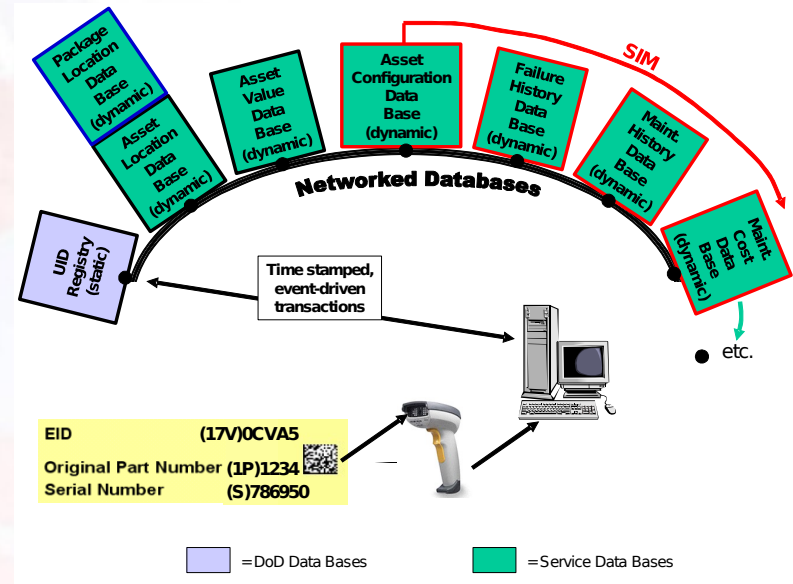


Depot UID AIS Capability



- The biggest single challenge which UID must overcome is not planning, and not parts marking - it is building the Automated Information System which will enable decision makers to update and monitor the pedigree of millions of new and legacy repairable items on a near-real time basis.

Vision End State at FOC

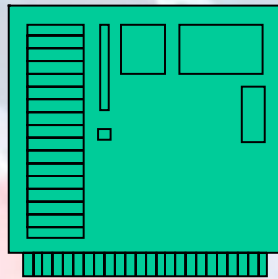




Depot UID AIS Initial Operating Capability

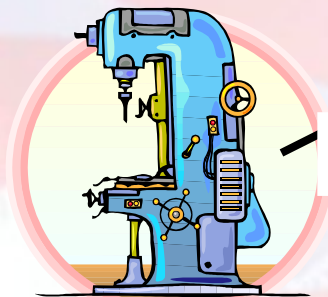


Doctrine for Establishing
the Uniqueness of UID
Data Elements at the Depot



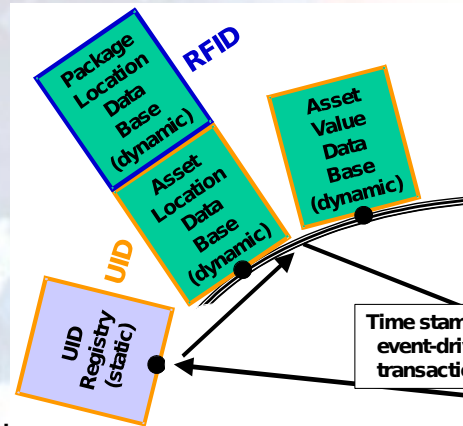
**DEPOT UID DATABASE
& CONTROLLING AIT**

Depot LAN



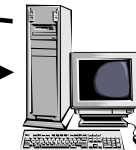
**COMPUTER CONTROLLED
PARTS MARKING MACHINE**

Birth Record data



Quality of Mark Verified
and Data Transacted
To/From UID Registry

EID (17V)0CVA5
Original Part Number (1P)1234
Serial Number (S)786950



 = DoD Data Bases

 = Service Data Bases

**PART MARKED
(LABEL OR DPM)**



Depot UID AIS IOC Checklist



- **Local serialization schema: DETERMINED**
- **Central data base which will become single touch point for UID: STOOD UP**
- **Communication with UID Registry for both new and legacy parts: ESTABLISHED**
 - **Communication is automatic, not requiring human intervention to transact data...**



IOC Checklist



- Depot UID Planning & Management
- Depot UID AIS Capability Establishment
- **Depot Parts Marking Capability Establishment**



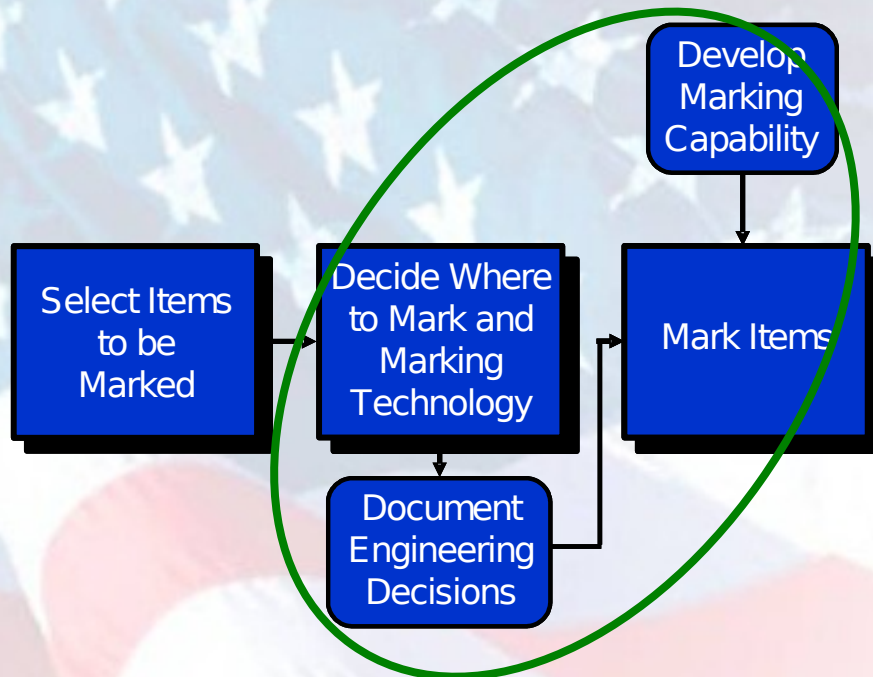
Depot Parts Marking Initial Operating Capability



- **Parts marking capability is driven by:**
 - The requirement to identify which parts to mark
 - The requirement to select which marking technology to use, and
 - The requirement to decide where to apply the mark.
- **Processes must be in place to document decisions on item drawing, rework SPEC and/or DMWR document**
- **QA of mark at the marking site will catch mistakes before they get really expensive.**



Depot Parts Marking IOC Checklist



- **Capability to apply UIIs to equipment items and parts assigned by the PMO/Depot UID IPT: ESTABLISHED**
- **Parts marking effort: INITIATED**
 - **IAW updated repair/rework specs and DMWR**
 - On selected IOC inventory items
- **Capability to verify/QA mark: DEMONSTRATED**



Approach to UID IOC at DoD Maintenance Depots



Approach to Unique Identification (UID) Initial Operating Capability (IOC)

at

DoD Maintenance Depots



May 2005

Prepared by the Office of the Secretary of Defense
Material Readiness and Maintenance Policy



Back-up Slides